

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
26 June 2003 (26.06.2003)

PCT

(10) International Publication Number
WO 03/051902 A1

(51) International Patent Classification⁷: C07H 21/04,
C12N 15/00, 15/85, 15/86, C07K 5/00, 14/00, A61K 38/00

(21) International Application Number: PCT/US02/40059

(22) International Filing Date:
12 December 2002 (12.12.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/340,798 14 December 2001 (14.12.2001) US
60/365,645 18 March 2002 (18.03.2002) US
60/367,662 25 March 2002 (25.03.2002) US
60/379,887 10 May 2002 (10.05.2002) US
60/384,639 31 May 2002 (31.05.2002) US

(71) Applicant (*for all designated States except US*): INCYTE
GENOMICS, INC. [US/US]; 3160 Porter Drive, Palo
Alto, CA 94304 (US).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): BAUGHN, Mariah,
R. [US/US]; 14244 Santiago Road, San Leandro, CA
94577 (US). BHATIA, Umesh [US/US]; 5212 Union
Avenue, San Jose, CA 95124 (US). BLAKE, Julie, J.
[US/US]; 3818 Pacheco Street, San Francisco, CA 94116
(US). BURRILL, John, D. [US/US]; 2218 Brewster
Avenue, Redwood City, CA 94062 (US). ELLIOTT,
Vicki, S. [US/US]; 3770 Polton Place Way, San Jose,
CA 95121 (US). EMERLING, Brooke, M. [US/US];
1735 Woodland Avenue # 71, Palo Alto, CA 94303
(US). FORSYTHE, Ian, J. [US/US]; 308 Roble Avenue,
Redwood City, CA 94061 (US). GIETZEN, Kimberly,
J. [US/US]; 691 Los Huecos Drive, San Jose, CA 95123
(US). GORVAD, Ann, E. [US/US]; 369 Marie Common,
Livermore, CA 94550 (US). GRIFFIN, Jennifer, A.
[US/US]; 33691 Mello Way, Fremont, CA 94555 (US).
HAFALIA, April, J.A. [US/US]; 2227 Calle de Primavera,
Santa Clara, CA 95054 (US). HO, Anne [FR/US];
1279 Poplar Avenue, #114, Sunnyvale, CA 94086 (US).
JACKSON, Alan, A. [US/US]; 1541 Elwood Drive, Los
Gatos, CA 95032 (US). JIANG, Xin [US/US]; 14371
Elva Avenue, Saratoga, CA 95070 (US). KABLE, Amy,
E. [US/US]; 2345 Polk Street #4, San Francisco, CA

94109 (US). KEARNEY, Liam [US/US]; 50 Woodside
Avenue, San Francisco, CA 94127 (US). KHARE, Reena
[US/US]; 12650 Orella Court, Saratoga, CA 95070 (US).
LEE, Ernestine, A. [US/US]; 20523 Crow Creek Road,
Castro Valley, CA 94552 (US). LEE, Sally [US/US]; 3643
26th Street, San Francisco, CA 94110 (US). LU, Dyung
Aina, M. [US/US]; 233 Coy Drive, San Jose, CA 95123
(US). MARQUIS, Joseph, P. [US/US]; 4428 Lazy Lane,
San Jose, CA 95135 (US). LEHR-MASON, Patricia, M.
[US/US]; 360 Clarke Lane, Morgan Hill, CA 95014 (US).
RAMKUMAR, Jayalaxmi [IN/US]; 34359 Maybird Circle,
Fremont, CA 94555 (US). RICHARDSON, Thomas,
W. [US/US]; 616 Canyon Road #107, Redwood City, CA
94062 (US). SPRAGUE, William, W. [US/US]; 611 13th
Street # C, Sacramento, CA 95814 (US). TRAN, Uyen, K.
[US/US]; 2638 Mabury Square, San Jose, CA 95133 (US).
CHAWLA, Narinder, K. [US/US]; 33 Union Square,
#712, Union City, CA 94587 (US). WARREN, Bridget,
A. [US/US]; 1810 S. El Camino Real #B103, Encinitas,
CA 94024 (US). YUE, Henry [US/US]; 826 Lois Avenue,
Sunnyvale, CA 94087 (US). ZHENG, Wenjin [CN/US];
9 Sutter Creek Lane, Mountain View, CA 94043 (US).

(74) Agents: HAMLET-COX, Diana et al.; Incyte Genomics,
Inc., 3160 Porter Drive, Palo Alto, CA 94304 (US).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE,
SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,
VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK,
TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

[Continued on next page]

(54) Title: NEUROTRANSMISSION-ASSOCIATED PROTEINS

(57) Abstract: Various embodiments of the invention provide human neurotransmission-associated proteins (NTRAN) and polynucleotides which identify and encode NTRAN. Embodiments of the invention also provide expression vectors, host cells, antibodies, agonists, and antagonists. Other embodiments provide methods for diagnosing, treating, or preventing disorders associated with aberrant expression of NTRAN.



WO 03/051902 A1